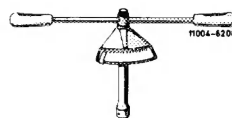


Tightening torques	Nm
Nuts for oil filter cover	20–25
Screws for oil filter on cylinder crankcase	20–25
Valve seat ring in oil filter housing	35–45

Special tools

Torque wrench 3/8" square,
8–32 Nm



001 589 51 21 00

Socket 1/2" square for valve
seat ring

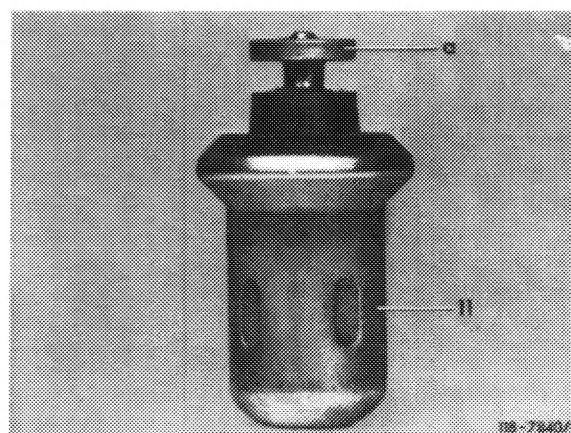


617 589 00 07 00

Note

Remove functioning thermostat only at temperatures below 60 °C, since otherwise the thrust pin (a) will be pushed out.

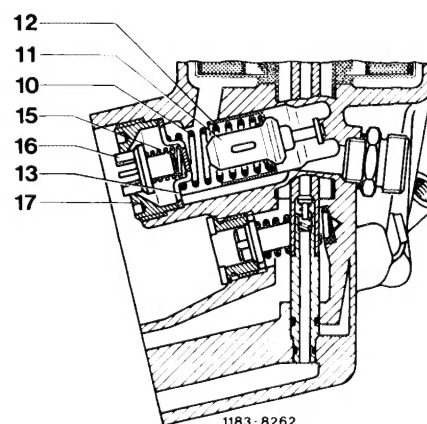
Never pull thrust pin (a) out of wax thermostat (11), since otherwise proper function cannot be guaranteed.

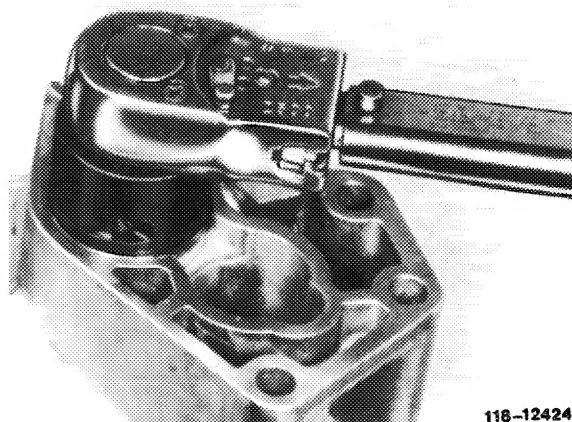


Removal

- 1 Remove oil filter (18–110).
- 2 Unscrew valve seat ring (17) by means of socket.

- | | |
|-----------------------|--|
| 10 Compression spring | 15 Compression spring |
| 11 Thermostat | 16 Return flow locking valve |
| 12 Control valve | 17 Valve seat ring return flow locking valve |
| 13 Spring retainer | |





3 Remove return flow locking valve (16) with compression spring (15), spring retainer (13), compression spring (10) and thermostat (11) with control valve (12).

Installation

5 Insert thermostat (11) with control valve (12), compression spring (10), spring retainer (13) and return flow locking valve (16) with compression spring (15).

6 Tighten valve seat ring (17) by means of socket to 35–45 Nm.

7 Peen valve seat ring in both recesses on oil filter housing (arrows) by means of a cross chisel.

8 Install oil filter with new gasket (18–110).

9 Run engine at idle and check for leaks.

10 Correct oil level.

